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U.S. Army Influenza Activity Report

Week Ending 28 February 2015 (Week 08)

2014-2015 Seasonal Influenza Vaccination Coverage As of 05 MAR 2015

95%	DOD
98%	Army Active Duty
91%	Army Guard
84%	Army Reserve

SYNOPSIS: ERMC experienced a sharp increase in the number of positive influenza A specimens during week seven but that number significantly decreased during week eight.

- **Influenza-like illness (ILI) activity:** Army incident ILI outpatient visits in week eight were 8% higher than in the previous week.
- **Influenza cases:** 14 hospitalized influenza cases were reported to USAPHC in weeks seven and eight: 4 active duty (AD) Service members (SM) and 10 non-AD beneficiaries. Six individuals were vaccinated. To date, 75 cases have been reported during this influenza season: 17 AD SM and 58 non-AD beneficiaries.
- **Viral specimens:** During week eight, 464 of 1538 (30%) laboratory specimens tested positive for respiratory pathogens; 233 of 1223 (19%) specimens tested for influenza A were positive. ERMC reported the most influenza A-positive specimens (37%), followed by SRMC and PRMC (both with 18%), NRMC (17%), WRMC (9%), and CENTCOM (0%).

Geographic Spread

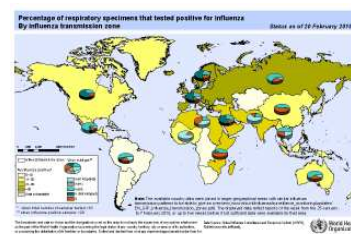


United States

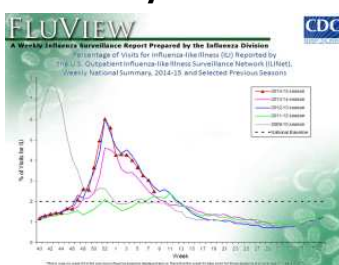
- In week eight, Puerto Rico, Guam, the US Virgin Islands and forty-two states reported widespread and regional influenza activity. Local and sporadic activity was reported by the District of Columbia and eight states.

World Health Organization

- In Europe, the influenza season continued to rise, particularly in western and central countries. In the southern hemisphere, influenza activity remained at inter-seasonal levels.

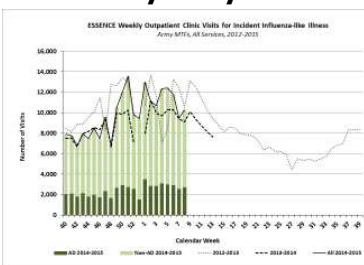


ILI Activity United States



- Nationwide during week eight, 2.5% of outpatient visits reported in ILINet were due to ILI, which is above the national baseline of 2.0%.
- The percentage of ILI outpatient visits ranged from 1.1% to 4.7% across the regions reporting.

ILI Activity Army



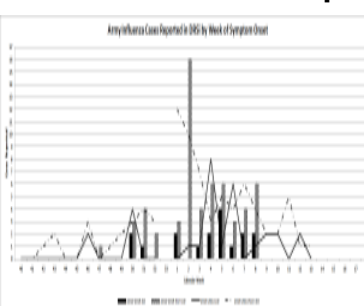
- During week eight, incident ILI activity was 13% higher than the same time last year and 8% higher than last week.
- AD SMs accounted for 27% of incident ILI clinic visits during weeks seven and eight; in 2013-2014, AD SMs comprised 27% of ILI clinic visits on average during weeks seven and eight.

Laboratory Respiratory Specimen Testing

Test Result	Week 5	Week 6	Week 7	Week 8	Season Total
Influenza A	528	385	312	233	7819
Influenza B	75	87	85	93	760
Adenovirus	21	13	11	14	228
Enterovirus	0	0	1	4	9
Parainfluenza	22	18	16	7	249
RSV	129	114	105	113	1317
Negative	1681	1527	1169	1074	22841
Total Results	2456	2144	1699	1538	33223

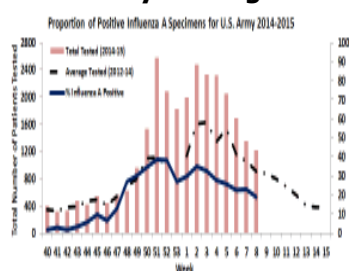
- 30% (464) of specimens tested positive during week eight.
- Influenza A accounted for 50% (233) of positive specimens.
- RSV accounted for 24% of positive specimens, influenza B for 20%, adenovirus for 3%, and parainfluenza accounted for 2%. Four specimens tested positive for enterovirus.

DRSi Influenza Case Reporting

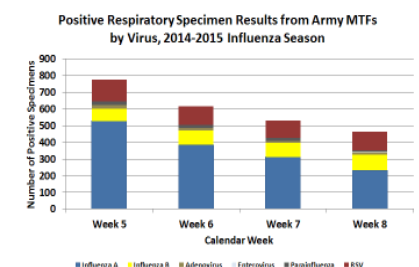


- In weeks seven and eight, 14 influenza-associated hospitalizations were reported in DRSi; 4 AD SMs (1 was unvaccinated and had underlying conditions) and 10 non-AD beneficiaries, 7 of whom were unvaccinated (3 with underlying conditions). A total of 75 hospitalized influenza cases have been reported to date this season.

Laboratory Testing for Influenza A



- In week eight, 233 of 1223 (19%) specimens tested for influenza A were positive, a slight decrease from week seven where 27% of specimens tested positive for influenza A. 171 (73%) of the positive influenza A specimens were from non-AD beneficiaries.
- ERMC reported 86 (37%) of the total influenza A positive specimens. SRMC reported 43 (18%) positive influenza A specimens, PRMC reported 42 (18%), NRMC reported 40 (17%), WRMC reported 22 (9%), and CENTCOM reported 0.



Additional Resources: [Army Influenza Reports](#); [ARD Reports](#); [AFHSC Influenza Reports](#); [NHRC FRI Reports](#); [DoD Global Influenza Surveillance Program](#); [DoD Pandemic Influenza Watchboard](#); [CDC](#); [WHO](#)

Key: AD-Active Duty; ILI-Influenza-Like Illness; DRSi- Disease Reporting System Internet; NHRC- Naval Health Research Center; ADV-Adenovirus; RSV-Respiratory Syncytial Virus; DEP- Disease Epidemiology Program; SM-Service Member

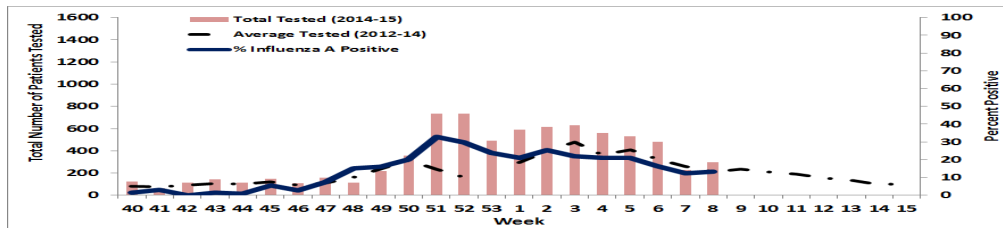
Questions?

Email [USAPHC-DEP](#)
410-417-3774

U.S. Army Influenza Activity Report

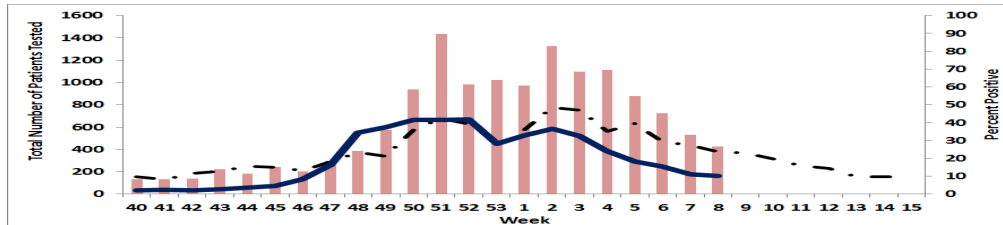
Proportion of Influenza A Positive Specimens by Week and Region, Army Medical Laboratories, 2014-2015 as Compared to 2013-2014

Northern Regional Medical Command (NRMC)



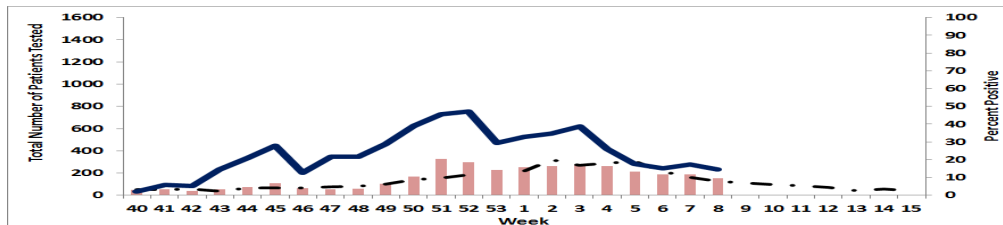
Week 8			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	22	790
18-29	1	1	235
30-39	3	1	157
40-49	1	6	128
50-59	0	1	83
60+	0	4	132
Total	5	35	1525

Southern Regional Medical Command (SRMC)



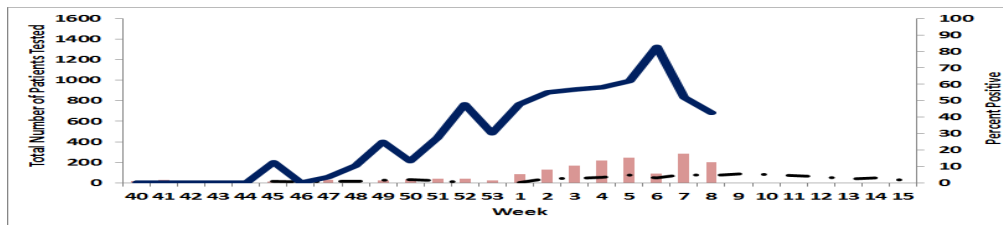
Week 8			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	19	2055
18-29	4	9	668
30-39	3	2	446
40-49	0	1	275
50-59	0	2	208
60+	0	3	287
Total	7	36	3939

Western Regional Medical Command (WRMC)



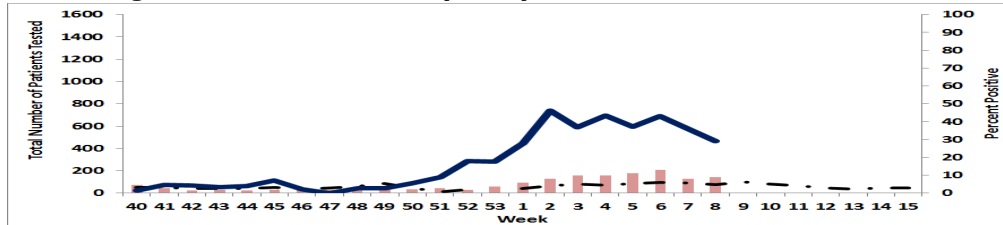
Week 8			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	16	641
18-29	1	1	123
30-39	0	0	91
40-49	0	1	45
50-59	0	0	36
60+	0	3	75
Total	1	21	1011

Europe Regional Medical Command (ERMC)



Week 8			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	24	327
18-29	20	6	203
30-39	11	8	200
40-49	6	3	83
50-59	1	3	24
60+	0	4	18
Total	38	48	855

Pacific Regional Medical Command (PRMC)



Week 8			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	24	223
18-29	8	2	111
30-39	3	3	70
40-49	0	2	32
50-59	0	0	19
60+	0	0	31
Total	11	31	486

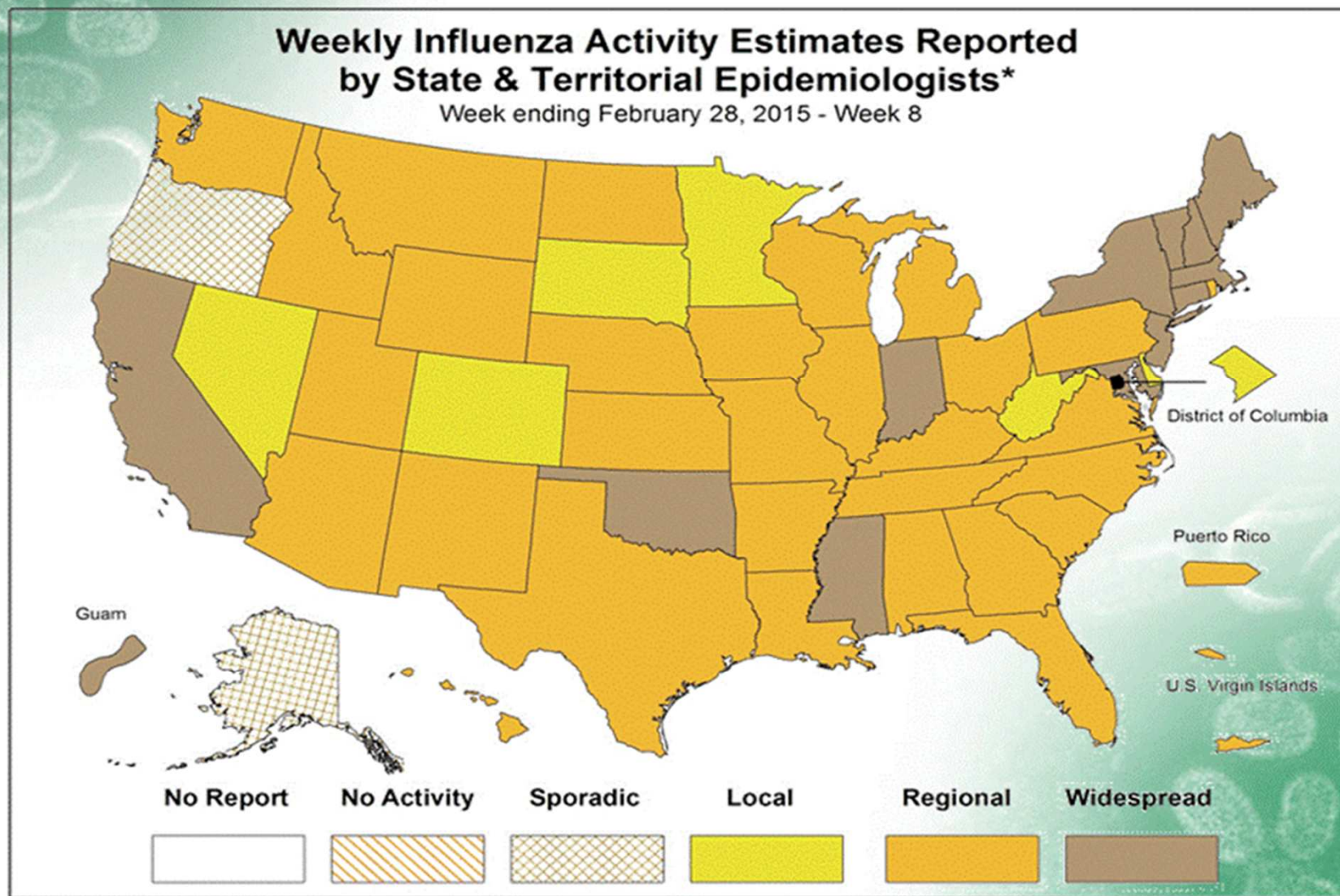
Number of Positive Influenza A Specimens by Duty Status and Region

Region	Week 1		Week 2		Week 3		Week 4		Week 5		Week 6		Week 7		Week 8	
	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD
NRMC	35	89	37	120	25	113	23	95	24	87	19	59	6	22	5	35
SRMC	105	213	126	360	81	276	58	210	36	124	19	93	6	53	7	36
WRMC	18	64	16	75	13	94	16	52	5	33	4	25	4	28	1	21
ERMC	15	27	38	35	27	69	38	88	59	94	25	52	53	94	38	48
PRMC	9	17	21	38	21	37	16	52	11	55	20	69	13	33	11	31
CENTCOM	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0

Locations providing week 8 laboratory data as of 4 March 2015: Korea, Ft Belvoir (NCR), Ft Benning, Ft Bliss, Ft Bragg, Ft Campbell, Ft Carson, Ft Drum, Ft Eustis, Ft Gordon, Ft Hood, Ft Huachuca, Ft Irwin, Ft Jackson, Ft Knox, Ft Leavenworth, Ft Lee, Ft Leonard Wood, Ft Lewis, Ft Meade, Ft Polk, Ft Riley, Ft Rucker, Ft Sam Houston, Ft Sill, Ft Stewart, Ft Wainwright, Landstuhl, Redstone Arsenal, Tripler, West Point.

FLUVIEW

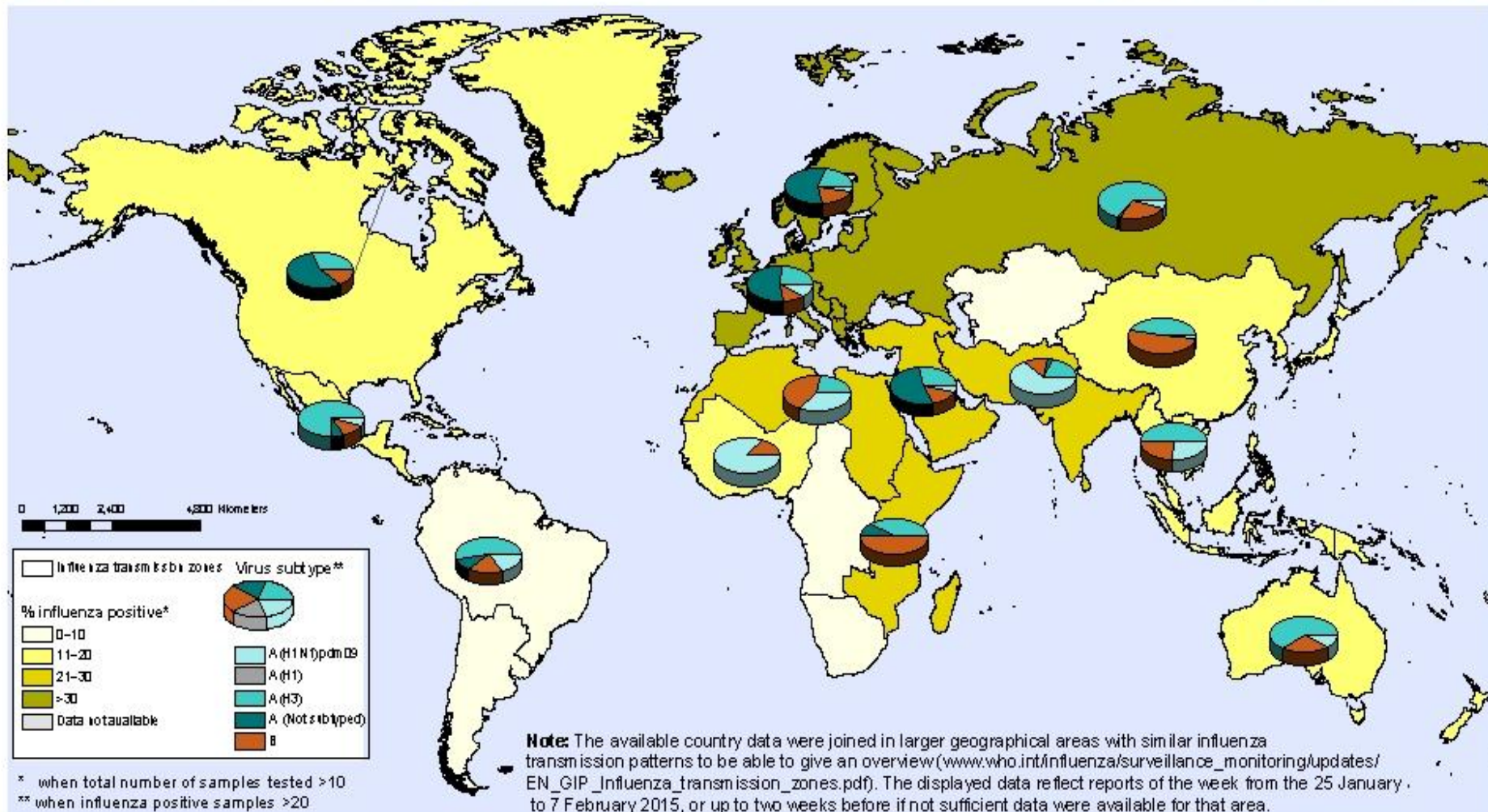
A Weekly Influenza Surveillance Report Prepared by the Influenza Division



* This map indicates geographic spread & does not measure the severity of influenza activity

Percentage of respiratory specimens that tested positive for influenza By influenza transmission zone

Status as of 20 February 2015



The boundaries and names shown and the designations used on this map do not imply the expression of any opinion whatsoever on the part of the World Health Organization concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Dotted and dashed lines on maps represent approximate border lines for which there may not yet be full agreement.

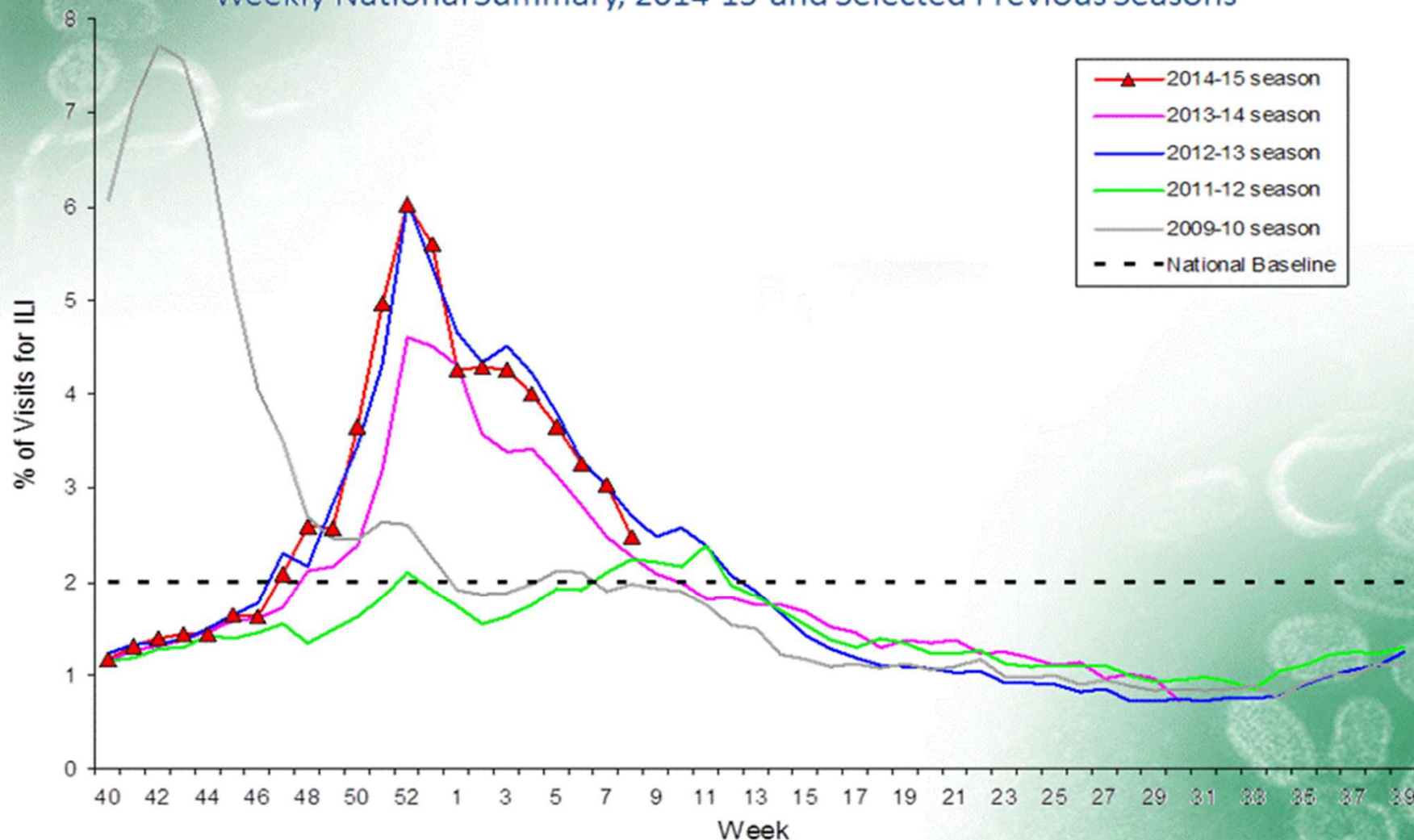
Data Source: Global Influenza Surveillance and Response System (GISRS), FluNet (www.who.int/flu-net).

FLUVIEW



A Weekly Influenza Surveillance Report Prepared by the Influenza Division

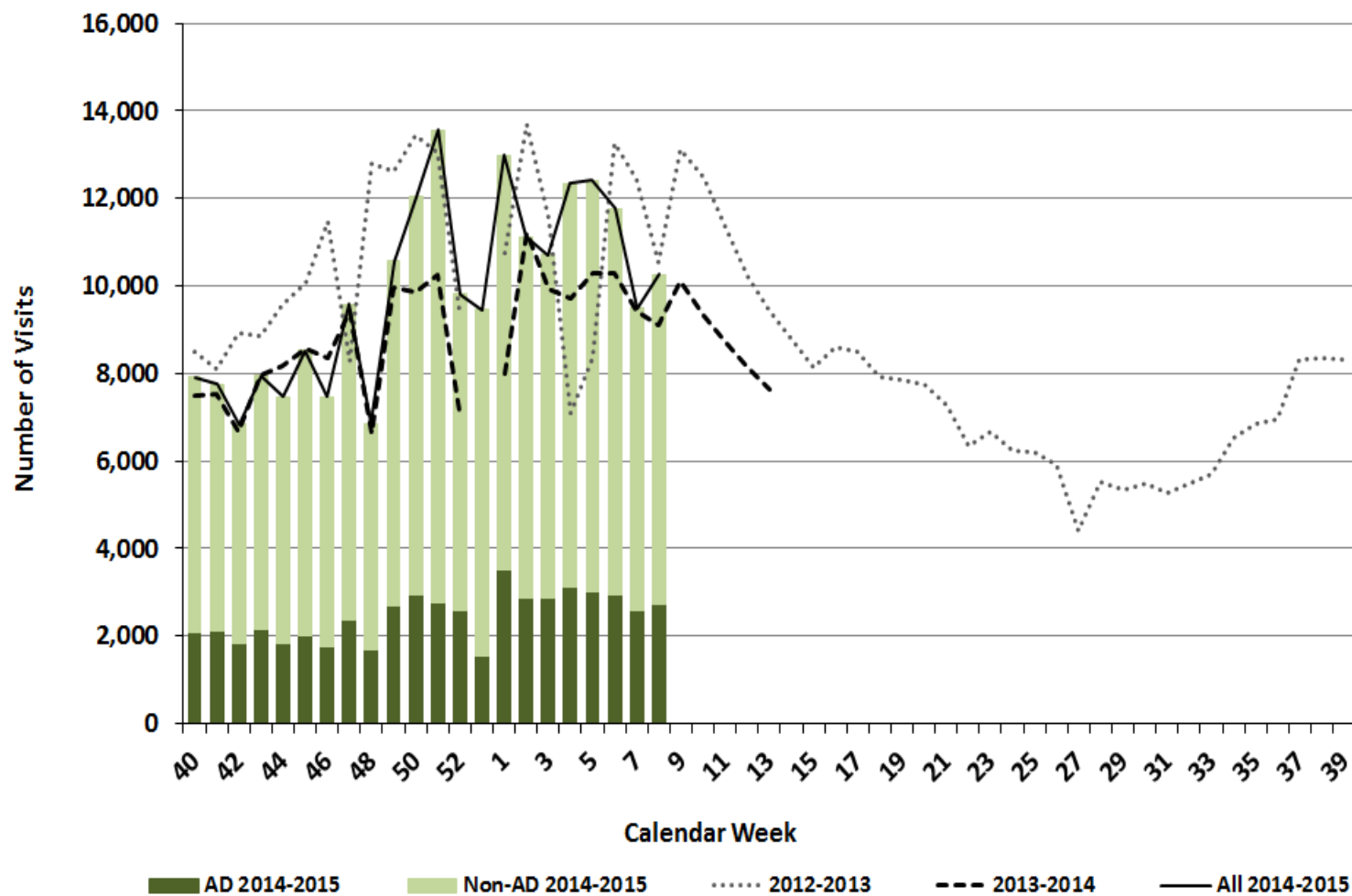
Percentage of Visits for Influenza-like Illness (ILI) Reported by
the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet),
Weekly National Summary, 2014-15 and Selected Previous Seasons



*There was no week 53 in the previous influenza seasons displayed above; therefore the week 53 data point for those seasons is an average of weeks 52 and 1.

ESSENCE Weekly Outpatient Clinic Visits for Incident Influenza-like Illness

Army MTFs, All Services, 2012-2015

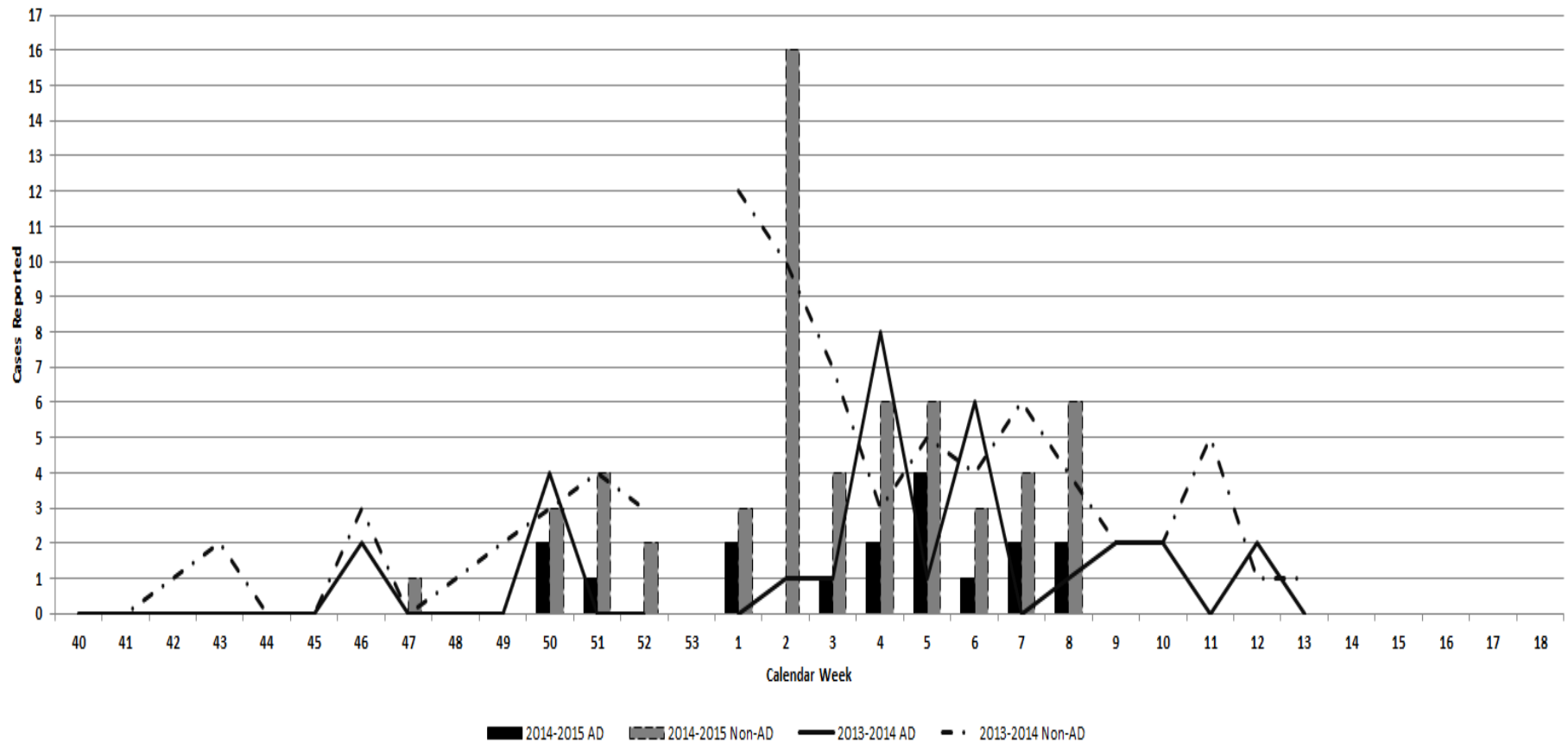


Clinic visits for ILI are obtained from ESSENCE. Data as of 06 March 2015.

Army MTF Laboratory Results, 2014-15

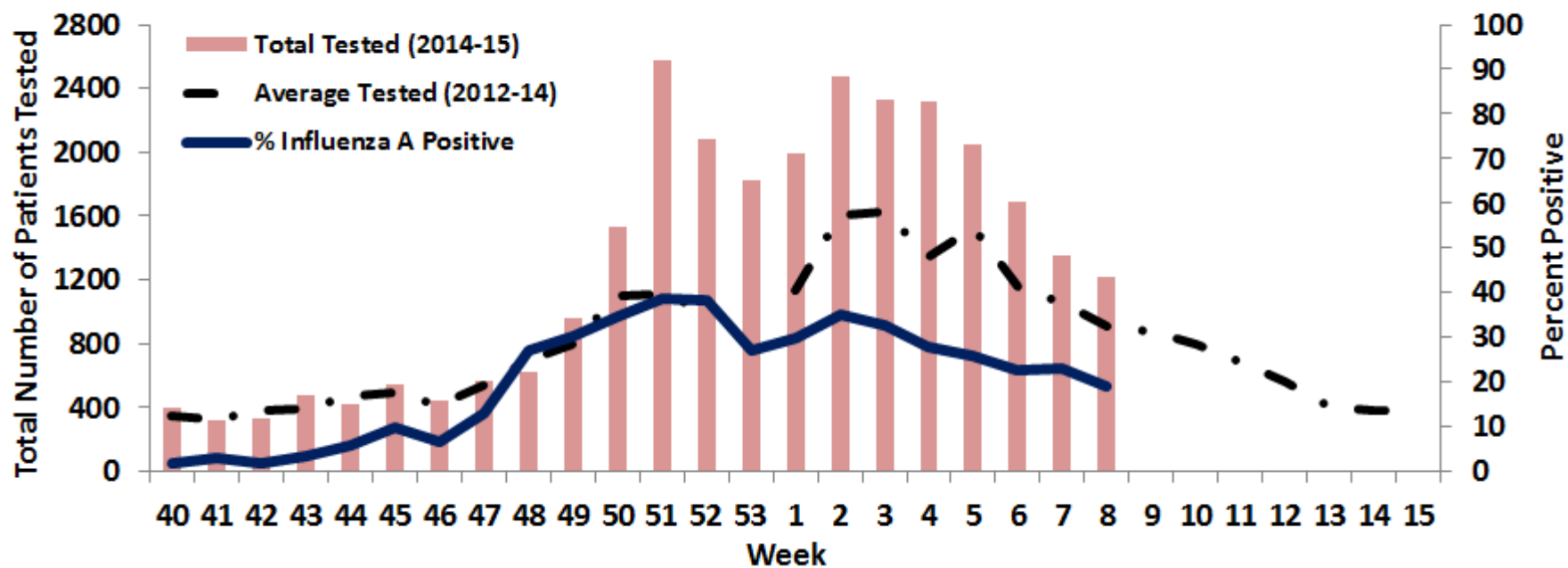
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Army Influenza Cases Reported in DRSi by Week of Symptom Onset

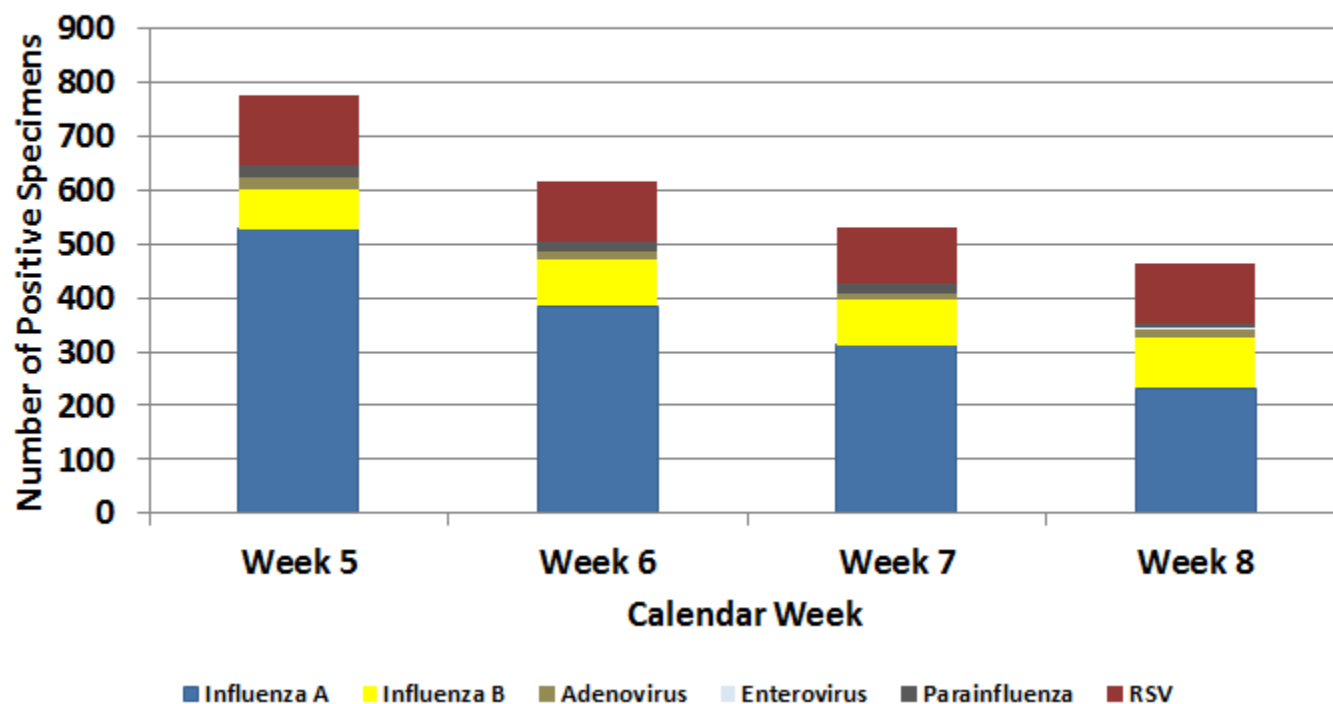


Note: Reportable influenza cases are defined as only cases that have been hospitalized and are under the age of 65. See [Armed Forces Reportable Medical Events Guidelines and Case Definitions](#) for more information
Data as of 06 March 2015.

Proportion of Positive Influenza A Specimens for U.S. Army 2014-2015



Positive Respiratory Specimen Results from Army MTFs by Virus, 2014-2015 Influenza Season



Number of Positive Influenza A Specimens by Duty Status and Region

Region	Week 1		Week 2		Week 3		Week 4		Week 5		Week 6		Week 7		Week 8	
	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD
NRMC	35	89	37	120	25	113	23	95	24	87	19	59	6	22	5	35
SRMC	105	213	126	360	81	276	58	210	36	124	19	93	6	53	7	36
WRMC	18	64	16	75	13	94	16	52	5	33	4	25	4	28	1	21
ERMC	15	27	38	35	27	69	38	88	59	94	25	52	53	94	38	48
PRMC	9	17	21	38	21	37	16	52	11	55	20	69	13	33	11	31
CENTCOM	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0